| POSITION                  | INTIALS | ID '10. | DATE     |  |  |  |  |  |
|---------------------------|---------|---------|----------|--|--|--|--|--|
| FEE DETERMINATION         | MW      |         | 08 08-01 |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |         | 00      | 8/14     |  |  |  |  |  |
| FORMALITY REVIEW          | 51      | 1021    | 09/11/01 |  |  |  |  |  |
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## INDEX OF CLAIMS

| 1 | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
|   | Restricted                 | 0   | Objected     |

| Cla      | im            | _                   |          |           | _<br>    | Date | 9            |            |           | _            | _            | Ţ   | Cla      | im         | _            | _        |          | -            | ate            |              |          |           |               |          | ÇI       | aim      | -             |                |          |          | ate      |             |              |             |              |
|----------|---------------|---------------------|----------|-----------|----------|------|--------------|------------|-----------|--------------|--------------|-----|----------|------------|--------------|----------|----------|--------------|----------------|--------------|----------|-----------|---------------|----------|----------|----------|---------------|----------------|----------|----------|----------|-------------|--------------|-------------|--------------|
| U.C      | $\overline{}$ | 71                  | _        | 4.        | - 1      | Ť    | -            | $\neg$     |           | П            | ㅓ            | ŀ   | _1       |            | T            | Т        | Т        | Т            | Т              |              | T        | Т         | T             |          | $\vdash$ | T        | T             |                | T        | T        | Ť        | T           | 7            | 7           | T            |
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| Final    | Ē             | <b>M</b>            | 4        |           |          | - 1  |              |            |           | 1            |              |     | Final    | Ē          |              | 1        | -        | 1            |                |              |          |           |               |          | Finat    | E        | !             | 1              | 1        | 1        |          |             | ,            |             |              |
| Œ        | Ō             |                     | 02       | 07        | ,1       |      | _            |            | _         | _            |              | ŀ   | ۳        |            | +            | +        |          | +            | +              |              | +        | +         |               |          | ۳        | 1        | +             | +              | -        | +        | +        | +           | +            | <del></del> | <u>-</u> -   |
|          | 0             | )=                  | =        | =         | ٤.       | _    | _1           |            |           |              |              | 1   |          | 51         | _            | 4        | 4        | 4            | 1              | _            | _        | 4         |               |          | <u></u>  | 101      | _             |                |          |          | $\perp$  |             | -,-          | <u>'</u>    |              |
|          | 2             | =                   | =        | :         | 4        | - 1  | ĺ            |            |           |              |              | Ĺ   |          | 52         | $\perp$      |          |          |              |                |              | ┙        | $\perp$   |               | 1        | L.       | 102      | _             | <u>i</u>       | 1        | _!       | _        | - ;         |              |             |              |
|          | 3             | :                   | -        | 2         | :        |      | $\neg$       |            |           |              |              | ĺ   |          | 53         |              | 1        | - 1      | -            | -              |              |          |           |               |          |          | 103      | 1             | 1              |          |          |          | -           | 1            | į           | . 1          |
|          | 4             | :                   | 5        | 7         | 3        |      | _            | ·          |           |              | ヿ            | Ì   |          | 54         | 1            | 1        | ┰        | $\neg$       | T              | Т            |          |           |               | 1        | Г        | 104      |               | П              | Т        | T        | Т        | $\neg$      | T            | $\top$      | Т            |
|          | 5             | -                   | ŧ        | 7         | 1        |      |              | -          | Н         |              | $\neg$       | ı   |          | 55         | $\top$       | T        | 1        | $\top$       | $\dashv$       | _            | $\top$   | 1         | 7             | 1        |          | 105      | T             | $\neg$         | T        | $\neg$   | T        | $\neg$      | T            | 1           | T            |
|          | -             | -                   |          | Ë         | $\dashv$ |      | -            | _          | Н         |              | $\dashv$     | ŀ   |          | 56         | +            | +        | $\neg$   | _            | _              | $^{+}$       | _        | $\dashv$  | 1             | 1        |          | 106      | 1             | 1              | 1        | $\neg$   | 7        | 1           | 丁            | Ť           | 7            |
|          | 6             | :                   | -        | _         | :        |      | -            | _          | Н         | -            | $\dashv$     | ł   |          | 57         | +            | +        | ┰        | -+           | $^{+}$         | $\dashv$     | +        | 十         | +             | 1        | -        | 107      | +             | _              | 寸        | +        | 十        | 7           | $\dashv$     |             | 7            |
|          | 7             | Ŀ                   | :        | •         | 1        |      | -1           |            | H         |              | $\dashv$     |     | _        | 58         | +            | +        | -        | +            | +              | -+           | +        | +         |               | 1        | $\vdash$ | 108      | +             | +              | +        | $\dashv$ | +        | -           | +            | +           | +            |
|          | (8            | Ľ                   | :        | ت         | :        | _    |              |            | Ш         | Щ            | -            |     | _        | <b>├</b> ~ | +            | +        | +        | $\dashv$     | $\dashv$       |              | +        | +         |               | 1        | 1        | +        | +             | +              | +        | -+       | +        | +           | +            | -           | +            |
| L        | 9             | Ú                   | 1.       | :         | `        |      | ·            |            |           |              |              | ļ   | _        | 59         | 4            | 4        | $\perp$  | $\dashv$     |                | $\downarrow$ | $\dashv$ | -         |               | 1        | -        | 109      | $\dashv$      | -+             | +        | +        | -        |             | +            | $\dashv$    | +            |
| Γ.       | 10            | 0                   | 1,       | 11        | :        |      |              |            |           |              |              |     |          | 60         |              | _        | _        | _            | _              | _            | $\perp$  |           |               | 1        | L        | 110      | _             | _              | 4        |          | 4        | 4           | 4            | 4           | -            |
|          | 11            | V                   |          | ٠,        | •        |      | П            |            |           | П            |              |     |          | 61         |              |          |          |              |                |              | $\perp$  | $\perp$   |               | 1        | _        | 111      | $\perp$       | _              | _        | _        | _        | 4           |              | _           | 4            |
| Ė        | 12            | r                   | ,        | ٠.        | ٠,       |      |              |            | П         |              |              |     |          | 62         | T            | T        |          | _[           | _ [            | [            | _[       | _[        |               |          | L        | 112      |               |                |          |          | $\perp$  |             |              | 1           | _1.          |
| ٠        | 13            | -                   | <b>1</b> | ;         |          |      | П            |            | П         | П            | П            | Ì   |          | 63         |              | $\neg$   | 7        | $\exists$    | $\exists$      | T            | T        | 7         |               |          |          | 113      | T             | _T             |          |          | _]       |             |              |             |              |
| <u> </u> | 14            | +                   | _        |           |          | -    | Н            | H          | Н         |              |              |     |          | 64         | $\top$       | +        | 7        | $\dashv$     | 7              | _            | 7        | $\exists$ |               | 1        |          | 114      | 1             | 1              | 7        |          | $\neg$   |             | T            |             | T            |
| -        | -             | 1                   | =        | V         | 3        |      | •            | -          | $\vdash$  | Η-           | -            |     |          | 65         | +            | +        | +        | _            | -+             | +            | 7        | 十         | $\top$        | 1        |          | 115      | 1             | $\neg$         | 7        | _        | 7        | $\neg$      | $\top$       | 7           | $\neg$       |
| L        | (15           |                     | V        | Ϊ         | ·        |      | _            | -          | 1.        | -            | -            |     | -        | 66         | +            | +        | +        | ┪            | $\dashv$       | $\dashv$     | +        | $\dashv$  |               | 1        | H        | 116      | +             | +              | -        | $\dashv$ | +        | -           | 十            | -           | 7            |
| Ŀ        | 16            | -                   | 1        | 1         | :        | 4    | 1            |            | -         | -            | Н            |     | _        |            | +            | +        | +        | -            | $\dashv$       | $\dashv$     | +        | -         | -+            | -        | $\vdash$ | 117      | +             | -+             | -        | -+       | $\dashv$ | -           | +            | +           | +            |
| ۲        | 17            |                     | ľV       | 1         | :        | Ú.   | 73           | -          | į.        | Ŀ            | L.,          |     | <u> </u> | 67         |              | 4        |          | -1           | -+             | -            | -+       | -         | +             | +        | $\vdash$ | 118      | -             | -+             | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$    | -+           | $\dashv$    | -            |
|          | 18            | 1 1                 | V        | 1         | •        | . 1  | À            | 1,1        | <u> -</u> | <u> </u>     |              |     | _        | 68         | _ _          | 4        | _        | _            | _              | $\dashv$     | _        | 4         | _ -           | -        | $\vdash$ |          | -             | -+             | 4        |          | $\dashv$ | $\dashv$    | +            | -           | $\dashv$     |
| 1        | 19            | 17                  | 7        | 1         | •        | •    | Ι,           | _          | ŀ         | I            | Ľ            |     | L        | 69         |              |          |          |              |                |              | $\perp$  |           | $\perp$       | 1        | L        | 119      | _             | _              | _        | _        | _        | _           | $\dashv$     |             | 4            |
| 1        | 20            | +-                  | -        | 1         | :        | ;    |              | . 5        |           | F            |              |     |          | 70         | T            | T        | T        | ٦            | . ]            | T            | T        |           |               |          |          | 120      |               |                | _        |          | _]       | _           |              |             |              |
| -        | -             | _                   | _        | 7         | -        |      | .,           | -          | 62        | ÷            | 1.5          |     | ┢        | 71         | $\dashv$     | ┪        | 寸        |              | $\dashv$       | _            | 7        | 7         |               | 1        | 1        | 121      |               |                |          |          |          | $\neg$      | П            |             |              |
| L        | 21            |                     | +        | 20        |          | 20   | 34           |            | G.        | -            | -            |     | ŀ        | 72         | +            | $\dashv$ | -        | -            |                | -+           | $\dashv$ |           |               | 1        | <b> </b> | 122      | ┪             | _              |          |          | $\neg$   |             | 7            |             |              |
|          | 22            |                     | 0        | 7,        | ٠        |      | 微            | 1          | 33        | 1.4          |              |     | <u> </u> |            | +            | -+       | -        |              | $\dashv$       | -            | ┥        | -         |               | ┨、       | ⊢        | 123      |               | $\dashv$       | ┪        |          |          | _           | _            | _           |              |
| Ċ.       | 23            |                     | o        | 7.7       |          | 12   | 7            | 100        | 4         | 7            |              |     | _        | 73         | +            | -        | _        | -            | -              |              | -        | -         |               | 4        | $\vdash$ | 124      | -             | -              | _        | Н        | -        |             | -            |             | М            |
|          | 24            | 4                   | v        | 1         |          | **   | 1            | W          |           | 7            | šï           |     | Ŀ        | 74         | _            | _        | _        | _            | _              | -            |          |           | -             | 4        | ļ        | -        | -             |                | _        | Н        | $\dashv$ | -           | $\dashv$     | -           | Н            |
| 7.       | 25            | 5 7                 | V        | 1         | ~        | 711  |              | 7.Å        | 2         |              |              |     | _        | 75         |              |          | _        |              | _              |              |          | _         |               | 4        | L        | 125      | 4             |                |          | _        |          |             | -            |             | H            |
| . [      | 1             | 17                  | 7        | 1:        |          | 107  | 1            |            | 11        | <i>'</i> .   |              | ]   |          | 76         | - 1          |          |          |              |                |              |          |           |               | ╛        | L        | 126      |               | _              |          | _        | _        | _           | -            |             | Ш            |
| 1        | Q             | 7                   | =        | :         | 1        | 3.2  | Ů.           | 10         | -         |              | ŀ            | 1.  | Г        | 77         | $\cdot \mid$ | П        | $\neg$   |              | -              |              | l        |           |               | _        | L        | 127      |               |                |          |          |          |             | _            | _           |              |
| -        | 2             | 7                   | 5        | +         | 7        |      | 19           | 4          | 1         | 17           | <u> </u>     |     | Г        | 78         | $\neg$       | ヿ        |          |              |                | $\neg$       | $\neg$   |           |               |          | Г        | 128      |               |                |          |          |          |             |              |             | $\sqcup$     |
| F        | 29            |                     |          | 13        | 7        | 1    | <del> </del> |            | -         | <del> </del> | <del> </del> | 1   | H        | 79         | -            | ┪        | -        | _            |                |              | _        |           |               |          | Г        | 129      |               |                |          |          |          |             |              |             |              |
| Ή.       | 3             |                     | 15       | <u> :</u> | 1        |      | H            | 5          | 1         | ١.           | -            | 1   | -        | 80         | -+           |          | -        | _            | Н              | -            |          |           | +             | 1        | ┢        | 130      |               |                | _        | Г        |          |             | П            |             |              |
| با       |               |                     | 1        | 1         | Ľ        | _    | -            | -          | 1         | ļ.,          | ŀ            | 1   | ⊢        |            | +            | -        | -1       | $\vdash$     | -              | _            | -        |           |               | ┨        | -        | 131      |               |                |          | 1        |          |             | $\neg$       |             | Г            |
| L        | 3             |                     | 1.       | 1         | <u> </u> |      | 1:           | ļ.         | ŀ         | Į.           | $\vdash$     | 1   | $\vdash$ | 81         | -            | 4        | _        | $\vdash$     | $\vdash$       |              | $\dashv$ |           |               | -        | $\vdash$ | 132      |               | -1             | _        | $\vdash$ | $\vdash$ |             | 7            |             | Г            |
| L        | 32            | _                   |          | Ŀ         | L        | 1.   | L            | 17         | 1         | Ľ            | L            | ļ · | $\vdash$ | 82         | _ļ           | _        | _        |              |                |              |          | _         | -+            | -        | -        | _        |               |                |          | -        |          |             | -            | _           | <del> </del> |
|          | 3             | 3                   | $L^{-}$  | 1         |          | ٠.   | L            | L          |           |              | L            |     | L        | 83         | _            |          |          |              |                |              | _        |           | 1             | 4        | $\vdash$ | 133      |               | $\vdash$       |          | -        | -        | -           | -            |             | +            |
| Γ        | 34            | 4                   | Γ        | Γ         |          | Γ    |              | F          |           | Γ            |              |     | L        | 84         |              |          |          |              | Ш              |              |          |           | $\perp$       | 4        | L        | 134      | _             | $\vdash \mid$  | -        | -        | ⊢        |             | $\vdash$     | -           | $\vdash$     |
| -        | 3             | 5                   | 1.       | 1         | 1.       | 75   |              |            |           | 1            | Γ            | 1   | Г        | 85         | T            |          |          |              | L              |              |          |           |               | 1        | L        | 135      |               |                | L        | -        | _        | <u> </u>    | ⊢⊢           | -           | -            |
| H        | 36            |                     | 1        | $t^-$     | Ť        | -    | .,           | 10         | +         |              | Τ            | 1   | 1        | 86         | 1            |          |          |              |                | П            | П        |           |               |          |          | 136      |               |                | _        | L        | _        | L           | Ш            | L           | 1            |
| $\vdash$ | 3             |                     | ╁        | +-        | -        | 27   | l'           | 13.0       | +         | t            | +            | 1.  | -        | 87         | 7            |          |          |              |                | П            |          |           |               | 7        | Γ        | 137      | Ī             |                | L        | L        | L        |             |              | L           | L            |
| -        |               |                     | ┾        | $\vdash$  | ╀        | -    | +            | +          | +-        | ╀            | ┾            | 1   | -        | 88         | $\dashv$     | -        |          | -            | <del>  -</del> | Н            | ٦        | -         | 一十            | 7        | 一        | 138      |               |                | Г        | Γ        |          |             |              | L           | L            |
| -        | 38            |                     | +        | ╀-        | +        | 12.5 | 1            | 1          | +         | +            | 1            | 4   | -        | -          | $\dashv$     |          | Н        | $\vdash$     | $\vdash$       | Н            | =        | -         | ++            | 1        | H        | 139      | $\overline{}$ | Г              | Г        | Г        | Γ        | Γ           | П            |             |              |
|          | 3             | +-                  | ↓_       | 17        | 1.3      |      |              |            | 4         | 1            | ŀ            | ١.  | -        | 89         | -            | _        |          | $\vdash$     | $\vdash$       | -            | -        | $\vdash$  | $\vdash$      | $\dashv$ | -        | 140      | _             | -              | -        | $\vdash$ | Τ        | Γ           | П            |             | Г            |
| 1        | 41            | 0                   | 1        | 1         | ļ        | -    |              | Γ,         | Ł         | L            | L            |     | L        | 90         | $\perp$      |          |          |              | _              | L.           |          |           | <b>├</b> ─├   | 4        | Ŀ        | -        | <u> </u>      | <del> </del> - | -        | +-       | -        | $\vdash$    | H            | -           | $\vdash$     |
| 7        | 4             | 1                   | Τ        |           | 1        | -3-  |              | e)e        |           | Γ            | Γ            | ١,  | Г        | 91         |              |          |          |              | L              | L            |          | L         |               |          | L        | 141      | _             | _              | L        | ╀        | -        | <b>⊢</b>    | $\vdash$     | -           | +            |
| -        | 4             | <del>,</del>   -    | +        | 1         | +        |      | 1            | Τ.         | 1         | T            | †            | 1.  |          | 92         | 1            |          |          | Г            | <u> </u>       |              |          |           | $\Box$        |          |          | 142      |               |                | L        | L        | L        | L           | Ш            | <u> </u>    | 1            |
|          | 4             | +                   | .53      | ر ڏن      | 11.6     | i.   | 1            |            | -         | Ė            | +            | 1   | H        | 93         | $\dashv$     | _        | т        | _            | Г              |              |          | <u> </u>  | П             | 1        | Γ        | 143      | Г             |                | Ĺ        | L        |          | L           | oxdot        | L           | L            |
| -        | +             | 3                   | 1.       |           |          | 12   | 1            | 1          |           | F            | +            | ۱.  | $\vdash$ | 94         |              | -        | -        | <del> </del> | -              | Н            |          | $\vdash$  | $\vdash$      | 7        | ľ        | 144      |               |                |          | Г        |          | L           |              | Ŀ           | L            |
| 1        | 14            | 4                   | ړ        | 15        | 1.3      |      | Sec.         | 13.<br>50. | 12.       | 1            | ,            | 1   | -        |            | $\vdash$     | _        | $\vdash$ | -            | -              | $\vdash$     | -        | -         | ╁┼            | $\dashv$ | H        | 145      |               | 1              | $\vdash$ | 1        | Г        | Г           | Г            | Γ           | Γ            |
| 1        | 4             | 5 📆                 | 1        | P         | 廖        | 17   | 120          | \$         |           | L            |              | 1   | $\vdash$ | 95         |              |          | <u> </u> | <u> </u>     | -              | -            | H        | <u> </u>  | -             | $\dashv$ | H        | 146      |               | Ι-             | 1        | †-       | $\vdash$ | Т           | Г            | Γ           | Г            |
| 6        | 4             | 4 2.5<br>5 157<br>6 | 1        | : 27      |          | 1    | Şă:          | 3.2        | -         | ŀ            | L            |     | Ŀ        | 96         | Ц            |          | L        | _            | <u> </u>       | <u> </u>     | <u> </u> | -         | ⊢⊢            | 4        | -        | 147      | -             | +-             | -        | ╁╾       | +        | 1           | <del> </del> | Τ           | T            |
|          | 4             | 7                   |          | 100       | · Y      |      | 13           | 3          | -         | Г            | [            | 1 . | L        | 97         |              |          | L        |              | L              |              |          | L         | $\sqcup \bot$ | 4        | _        |          |               | ⊢-             | 1        | $\vdash$ | $\vdash$ | +           | -            | +-          | +            |
| $\vdash$ | 4             |                     | T        | t         | T        |      | T            | Τ.         |           | 1            | T            | 1   | Γ        | 98         |              | _        |          |              |                |              | L        | L         | Ш             |          | L        | 148      |               | <u> </u>       | Ļ        | +-       | -        | -           | -            | ⊢           | +            |
|          |               |                     | +-       | +         | +        | +    | +            | +          | +         | +            | +-           | 1   | -        | 99         | $\neg$       |          |          | $\Box$       | 1              |              |          | Γ         | IT            |          | - 1      | 149      | i             | ı              | f .      | 1        | 1        | 1           | 1            | <u> </u>    | ┸            |
| -        | 4             | 91                  | ı        | 1         | 1        | 1    | 1.           |            |           | 1            | 1            |     | 1        | 199        | 1            |          |          | l .          | i              |              |          |           |               |          | L -      | 150      | 1_            | _              | ₩-       | +        | +        | <del></del> | _            | T           |              |

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